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Patent

Attorney Docket No. 1030681-000613

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Shang-hyeun Park et al.

Application No.: 10/743,791

Filing Date: December 24, 2003

Title: FIELD EMISSION DISPLAY AND
METHOD OF MANUFACTURING THE
SAME

MAIL STOP AMENDMENT

Group Art Unit: 2879

Examiner: ELIZABETH A. RIELLEY

Confirmation No.: 9820

AMENDMENT/REPLY TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a reply for the above-identified patent application.

- ☐ A Petition for Extension of Time is enclosed.
- ☐ _____ Terminal Disclaimer(s) and the ☐ \$ 65 ☐ \$ 130 fee per Disclaimer due under 37 C.F.R. § 1.20(d) are enclosed.
- ☐ Also enclosed is/are: _____
- ☐ Small entity status is hereby claimed.
- ☐ Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the ☐ \$ 395 ☐ \$ 790 fee due under 37 C.F.R. § 1.17(e).
- ☐ Applicant(s) requests that any previously unentered after final amendments not be entered. Continued examination is requested based on the enclosed documents identified above.
- ☐ Applicant(s) previously submitted _____ on _____ for which continued examination is requested.
- ☐ Applicant(s) requests suspension of action by the Office until at least _____, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.
- ☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.

- ☒ No additional claim fee is required.
- ☐ An additional claim fee is required, and is calculated as shown below:

| AMENDED CLAIMS | | | | | |
|--|---------------|---|--------------|-----------------|----------------|
| | No. of Claims | Highest No. of Claims Previously Paid For | Extra Claims | Rate | Additional Fee |
| Total Claims | 6 | 20 | 0 | x \$ 50 (1202) | \$ 0 |
| Independent Claims | 1 | 3 | 0 | x \$ 200 (1201) | 0 |
| <input type="checkbox"/> If Amendment adds multiple dependent claims, add \$ 360 (1203) | | | | | \$ 0 |
| Total Claim Amendment Fee | | | | | \$ 0 |
| <input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Claim Amendment Fee | | | | | 0 |
| TOTAL ADDITIONAL CLAIM FEE DUE FOR THIS AMENDMENT | | | | | \$ 0 |

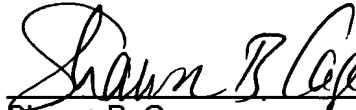
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date September 22, 2006

By:


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------------------|---|--------------------------------|
| In re Patent Application of |) | Mail Stop Amendment |
| Shang-hyeun Park et al. |) | Group Art Unit: 2879 |
| Application No.: 10/743,791 |) | Examiner: Elizabeth A. Rielley |
| Filed: December 24, 2003 |) | Confirmation No.: 9820 |
| For: FIELD EMISSION DISPLAY AND |) | |
| METHOD OF MANUFACTURING |) | |
| THE SAME |) | |

REQUEST FOR RECONSIDERATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This communication is a full and timely response to the non-final Office Action dated July 5, 2006. Claims 1-6 are pending in the application.

Rejections Under 35 U.S.C. § 103

Claims 1-6 were rejected under 35 U.S.C. §103(a) as unpatentable over *Duboc, Jr. et al* (U.S. Patent No. 5,541,473) in view of Applicants' stated prior art. Applicants respectfully traverse this rejection.

Claim 1 recites a field emission display that comprises, among other elements, spaces provided between the anode plate and the mesh grid so that the mesh grid can be adhered to the cathode plate due to a negative pressure existing between the anode plate and the cathode plate.

Duboc, Jr. discloses a display device having an emitter set 202a, 202b and a grid 210 that is formed between a baseplate 201 and a faceplate 220. The grid 210 is adjacent to the baseplate and includes alternating stacked layers of conducting layers 212, 214, 216, and 218, and insulating layers 213, 215, and 217. Addressing holes 210a, 210b are formed in the grid and permit the emitter set 202a, 202b to emit electrons to the faceplate 220. An anode 221 is formed on the faceplate 220. The electrons emitted by the emitter set 202a, 202b pass through the addressing